

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-71 (Cancel)

72. (New) A method for producing a polarized noble gas product, comprising the steps of:

polarizing the noble gas to a first polarization level;

freezing the noble gas from said polarizing step in the presence of an applied magnetic field;
and

thawing the noble gas from said freezing step such that the noble gas product resulting from
said thawing step exhibits a second polarization level at least 30% of said first polarization
level.